

ABSTRACT

The present invention provides a method for producing geranylgeraniol and analogous compounds thereof, which comprises culturing yeast cells (ascomycetes and deuteromycetes), bacterial cells, actinomycete cells or filamentous fungus cells, all of which are capable of producing geranylgeraniol and analogous compounds thereof, in a medium to produce and accumulate geranylgeraniol and analogous compounds thereof in the cells and/or in the extracellular environment; and then collecting these compounds. The present invention enables inexpensive mass production of geranylgeraniol and analogous compounds thereof by using microorganisms capable of producing geranylgeraniol, farnesol and/or nerolidol useful as biosynthetic intermediates of terpenes, carotenoids and/or steroids.